

IN THE CLAIMS

1 1. (Currently Amended) A broadcast data receiver apparatus for receiving and
2 processing data from a plurality of received data transport streams, said data broadcast from a
3 location remote to ~~a~~ the receiver in a set-top box, and said receiver comprising:

4 storage means for storing a local database in said receiver;

5 each of said plurality of data transport streams ~~stream~~ including packets of data and
6 packet identifiers for identifying said ~~data~~ packets of data;

7 processing means processing a single stream of data,

8 means for receiving said plurality of data transport streams and for simultaneously
9 processing, merging, and demultiplexing said plurality of data transport streams, selecting packets
10 of data from said plurality of data transport streams and only remapping the packet identifiers
11 corresponding to said selected ~~data~~ packets of data of each stream using the local database without
12 remapping of said packets of data, the selected packets of data and the remapped packet identifiers
13 from said plurality of data transport streams then being multiplexed into a single transport stream
14 of data for subsequent processing in the receiver by the processing means.

1 2. (Currently Amended) Broadcast data receiver apparatus according to claim 1
2 wherein said plurality of data ~~the~~ transport streams ~~of data~~ are received from at least one from the
3 group consisting of remote broadcast location or locations and/or from data storage means connected
4 to or incorporated in the receiver and other sources connected to or incorporated in the receiver.

1 3. (Previously Presented) Broadcast data receiver apparatus according to claim 1
2 wherein said single transport stream of data which is generated by the multiplexing step includes
3 selected packets of data from said plurality of transport streams of data received.

1 4. (Previously Presented) Broadcast data receiver apparatus according to claim 3
2 wherein said packets of data which are selected are selected automatically as they represent data
3 which is required for said broadcast data receiver apparatus to operate correctly and/or in response
4 to user selections.

1 5. (Previously Presented) Broadcast data receiver apparatus according to claim 1
2 wherein data from said plurality of transport streams is selected and said selected data is multiplexed
3 into a single stream, is stored or recorded and/or is discarded in accordance with operating
4 parameters for said broadcast data receiver apparatus at any instant.

1 6. (Previously Presented) Broadcast data receiver apparatus according to claim 1
2 wherein said processing means are integrated circuits, which accept one data input stream.

1 7. (Previously Presented) Broadcast data receiver apparatus according to claim 6
2 wherein said single transport data stream which is generated is presented to a single input component
3 or components in said receiver for further processing and to allow the data to be used to perform a
4 designated function.

1 8. (Previously Presented) Broadcast data receiver apparatus according to claim 7
2 wherein the designated function is selected from the group consisting of at least one of the generation
3 of video displays, audio displays, recording of programs, playback of recorded programs, generation
4 of electronic program guides, linking with internet services, e-mail, interaction with a personal
5 computer, video, and/or other apparatus.

1 9. (Currently Amended) A method for the generation of a single stream of data for
2 subsequent processing from received multiple transport streams of data, said method comprising the
3 steps of:
4 receiving a plurality of transport streams of data, each containing packets of data and
5 packet identifiers in local database storage in a receiver in a set top box,
6 simultaneously processing, merging, and demultiplexing said plurality of streams of
7 data;
8 selecting packets of data from said plurality of streams of data,
9 re-mapping only the packet identifiers within the selected packets of data using the
10 local database without remapping of said packets of data, and
11 multiplexing the selected packets of data from said plurality of streams into a single
12 stream of data, for subsequent processing.

1 10. (Previously Presented) A method according to claim 9 wherein at least one of the
2 received transport streams of data is broadcast data received from a remote location containing at
3 least one from the group consisting of audio, video and auxiliary services data.

1 11. (Original) A method according to claim 9 wherein demultiplexing of the received
2 data from each transport stream is performed in accordance with information transmitted along with
3 the data and identified by the receiver to in turn identify the packets of data.

1 12. (Original) A method according to claim 11 wherein the re-mapping of the data
2 packets identifier takes place under control of the receiver so as to allow the required data to be
3 multiplexed into a single stream and avoid identifier clashes between packets of data from different
4 transport streams.

1 13. (Original) A method according to claim 12 wherein the locally controlled re-mapping
2 of the packet identifiers allows the origin of the data to be subsequently identified in subsequent
3 processing the same.